TEJUS

TEST REPORT

Clients	BRUHAT BENGALORE MAHANAGARA PALIKE
Project	Construction of CC Drains and Roads in Dasarahalli Village in Ward No.06
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri. P Hemanth (SOORYA CREATERS)

SPECIFIC GRAVITY AND WATER ABSORPTION

FINE AGGREGATE (IS-2386-PART-3)

Type of Material	Fine aggregate (M sand)	Proposed Use	PCC
Location/Source	2nd main road.	Date of Sampling	12-09-2021
Period of Soaking	24 hours	Date of Testing	13-09-2021

Sl. No.	Test Property		TRIAL - 1	TRIAL - 2	TRIAL - 3	
A	Weight of sturated surface dry sample gm.		643	653	666	
B	Weight of oven - dry sample gm.		635	644	656	
C	Weight of Pycnometer Filled with water gm		1275	1275	1275	
D	Weight of Pycnometer + sample + water gm		1680	1685	1694	
E	Bulk specific gravity	B / (C + A - D)	2.668	2.650	2.656	2.658
G	Absorption (%)	(A - B) *100 / B	1.260	1.398	1.524	1.394

Note:

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3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Authorised Signatory

TEJUS CONSULTANTS
No. 58, 3rd main, 6th Cross, 1st Stage KHB Colony, Basaveshwaranagar, Bangalore - 560079, O : +91 80 23297532, tejusconsultants@gmail.com

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TEJUS

TEST REPORT

Clients	BRUHAT BENGALORE MAHANAGARA PALIKE
Project	Construction of CC Drains and Roads in Dasarahalli Village in Ward No.06
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri. P Hemanth (SOORYA CREATERS)

SPECIFIC GRAVITY AND WATER ABSORPTION

FINE AGGREGATE (IS-2386-PART-3)

Type of Material	Fine aggregate (M sand)	**Proposed Use**	concrete
Location/Source	3rd main road	**Date of Sampling**	14-09-2021
Period of Soaking	24 hours	**Date of Testing**	15-09-2021

Sl. No.	Test Property	TRIAL - 1	TRIAL - 2	TRIAL - 3	
A	Weight of sturated surface dry sample gm.	650	670	662	
B	Weight of oven - dry sample gm.	642	662	653	
C	Weight of Pycnometer Filled with water gm	1275	1275	1275	
D	Weight of Pycnometer + sample + water gm	1684	1696	1692	
E	Bulk specific gravity $\frac{B}{(C+A-D)}$	2.664	2.659	2.665	2.663
G	Absorption (%) $\frac{(A-B)*100}{B}$	1.246	1.208	1.378	1.278

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4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Authorised Signatory

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike	
Project	Construction of CC Drains and Roads in Dasarahalli Village in Ward No.06	
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore	
Contractor	Sri. P Hemanth (SOORYA CREATERS)	
Total Weight:	10000	gms

SIEVE ANALYSIS

Type of Material	20 mm down size	Proposed Use	Concrete
Sample Location	2nd main road	Date of Sampling	14-09-2021
		Date of Testing	13-09-2021

IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
40.00 mm	0	0	0	100	100
20.00 mm	266	266	2.66	97.34	95 - 100
10.00 mm	4836	5102	51.02	48.98	25 - 55
4.75 mm	4228	9330	93.30	6.70	0 - 10
Pan	670	10000			

Remarks : Satisfactory / Not Satisfactory

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Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Authorised Signatory

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TEJUS

TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike	
Project	Construction of CC Drains and Roads in Dasarahalli Village in Ward No.06	
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore	
Contractor	Sri. P Hemanth (SOORYA CREATERS)	
Total Weight:	10000	gms

SIEVE ANALYSIS

Type of Material	20 mm down size	**Proposed Use**	Concrete
Sample Location	3rd main road	**Date of Sampling**	14-09-2021
		Date of Testing	15-09-2021

IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
40.00 mm	0	0	0	100	100
20.00 mm	266	266	2.66	97.34	95 - 100
10.00 mm	4836	5102	51.02	48.98	25 - 55
4.75 mm	4224	9326	93.26	6.74	0 - 10
Pan	674	10000			

Remarks : ✓ Satisfactory / Not Satisfactory

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Asst. Executive Engineer
Project Division
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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Construction of CC Drains and Roads in Dasarahalli Village in Ward No.06
Consultants	Tejus Consultants, Bangalore
Contractor	Sri. P Hemanth (SOORYA CREATERS)

SIEVE ANALYSIS

Total Weight:	3000 gms			
Type of Material	Fine aggregate M sand)		Proposed Use	concrete
Sample Location	3rd main road		Date of Sampling	14-09-2021
			Date of Testing	15-09-2021

IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing (Zone-II)
10.00 mm	0	0	0	100.00	100
4.75 mm	212	212	7.07	92.93	90 - 100
2.36 mm	315	527	17.57	82.43	75 - 100
1.18 mm	452	979	32.63	67.37	55 - 90
0.600 mm	482	1461	48.70	51.30	35 -59
0.300 mm	712	2173	72.43	27.57	8-30
0.150 mm	632	2805	93.50	6.50	0 - 10
Pan	195	3000			-

Remarks : ✓ Satisfactory / Not Satisfactory

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Asst. Executive Engineer
Project Division
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TEST REPORT

Clients	BRUHAT BENGALORE MAHANAGARA PALIKE
Project	Construction of CC Drains and Roads in Dasarahalli Village in Ward No.06
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri. P Hemanth (SOORYA CREATERS)

SPECIFIC GRAVITY AND WATER ABSORPTION

FINE AGGREGATE (IS-2386-PART-3)

Type of Material	Fine aggregate (M sand)	Proposed Use	concrete
Location/Source	2nd main road	Date of Sampling	14-09-2021
Period of Soaking	24 hours	Date of Testing	15-09-2021

Sl. No.	Test Property	TRIAL - 1	TRIAL - 2	TRIAL - 3	
A	Weight of sturated surface dry sample gm.	648	678	658	
B	Weight of oven - dry sample gm.	641	670	648	
C	Weight of Pycnometer Filled with water gm	1275	1275	1275	
D	Weight of Pycnometer + sample + water gm	1682	1701	1690	
E	Bulk specific gravity $\frac{B}{(C+A-D)}$	2.660	2.659	2.667	2.662
G	Absorption (%) $\frac{(A-B)*100}{B}$	1.092	1.194	1.543	1.276

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Asst. Executive Engineer
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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Construction of CC Drains and Roads in Dasarahalli Village in Ward No.06
Consultants	Tejus Consultants, Bangalore
Contractor	Sri. P Hemanth (SOORYA CREATERS)

SIEVE ANALYSIS

Total Weight:	3000 gms				
Type of Material	Fine aggregate M sand)		Proposed Use	concrete	
Sample Location	2nd main road		Date of Sampling	14-09-2021	
			Date of Testing	15-09-2021	
IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing (Zone-II)
4.00 mm	0	0	0	100.00	100
4.75 mm	206	206	6.87	93.13	90 - 100
2.36 mm	318	524	17.47	82.53	75 - 100
1.18 mm	412	936	31.20	68.80	55 - 90
600 mm	488	1424	47.47	52.53	35 -59
0.300 mm	762	2186	72.87	27.13	8-30
0.150 mm	640	2826	94.20	5.80	0 - 10
Pan	174	3000			-

Remarks : Satisfactory / Not Satisfactory

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Asst. Executive Engineer
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TEJUS
CONSULTANTS

TEST REPORT

Clients	BRUHAT BENGALORE MAHANAGARA PALIKE
Project	Construction of CC Drains and Roads in Dasarahalli Village in Ward No.06
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri. P Hemanth (SOORYA CREATERS)

SPECIFIC GRAVITY AND WATER ABSORPTION

FINE AGGREGATE (IS-2386-PART-3)

Type of Material	Fine aggregate (M sand)	Proposed Use	concrete
Location/Source	2nd cross road	Date of Sampling	14-09-2021
Period of Soaking	24 hours	Date of Testing	15-09-2021

Sl. No.	Test Property	TRIAL - 1	TRIAL - 2	TRIAL - 3	
A	Weight of sturated surface dry sample gm.	648	672	654	
B	Weight of oven - dry sample gm.	639	663	645	
C	Weight of Pycnometer Filled with water gm	1275	1275	1275	
D	Weight of Pycnometer + sample + water gm	1682	1698	1686	
E	Bulk specific gravity $\frac{B}{(C+A-D)}$	2.651	2.663	2.654	2.656
G	Absorption (%) $\frac{(A-B)*100}{B}$	1.408	1.357	1.395	1.387

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Asst. Executive Engineer
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Authorised Signatory

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Construction of CC Drains and Roads inDasarahalli Village in Ward No.06
Consultants	TEJUS CONSULTANTS
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Total Weight:	10000 gms

SIEVE ANALYSIS

Type of Material	12.5 mm down size	Proposed Use	CONCRETE
Sample Location	2nd main road	Date of Sampling	14-09-2021
		Date of Testing	15-09-2021

IS Sieve Size (in mm)	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
20.0	0	0	0	100	100
12.5	520	520	5.20	94.80	90-100
10.0	4496	5016	50.16	49.84	40-85
4.75	4542	9558	95.58	4.42	0-10
Pan	442	10000			

Remarks : Satisfactory / Not Satisfactory

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Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-92

Authorised Signatory

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TEJUS
CONSULTANTS

TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike				
Project	Construction of CC Drains and Roads inDasarahalli Village in Ward No.06				
Consultants	TEJUS CONSULTANTS				
Contractor	Sri. P Hemanth (SOORYA CREATERS)				
Total Weight:	10000	gms			

SIEVE ANALYSIS

Type of Material	**12.5 mm down size**		**Proposed Use**	CONCRETE	
Sample Location	3rd main road		**Date of Sampling**	14-09-2021	
			Date of Testing	15-09-2021	
IS Sieve Size (in mm)	**Weight Retained**	**Cum. Weight Retained**	**Cum. % Retained**	**Cum. % Passing**	**Spec. Limit (%) Passing**
20.0	0	0	0	100	100
12.5	538	538	5.38	94.62	90-100
10.0	4622	5160	51.60	48.40	40-85
4.75	4552	9712	97.12	2.88	0-10
Pan	288	10000			

Remarks : ✓ Satisfactory / Not Satisfactory

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Asst. Executive Engineer
Project Division
BCC/...

Authorised Signatory

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TEJUS

Test Report on Compressive Strength of Concrete Cubes

Project	Construction of CC Drains and Roads in Dasarahalli Village in Ward No.06
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Grade of concrete:	M30
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959
Sample Location	main road @ ch.125.00m

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	15-09-2021	21-09-2021	7 days	8.224	22500	440	19.56	19.53
2	15-09-2021	21-09-2021	7 days	8.326	22500	436	19.38	
3	15-09-2021	21-09-2021	7 days	8.432	22500	442	19.64	

Remarks : Satisfactory / Not Satisfactory

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4.The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

Consultant's Representative

TEJUS CONSULTANTS
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TEJUS

Test Report on Compressive Strength of Concrete Cubes

Project	Construction of CC Drains and Roads in Dasenahalli Village in Ward No.86
Client	Brahat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Grade of concrete	M30
Size of cube	150x150x150 mm
Reference IS code	IS-516-1959
Sample Location	cross rd 1 @ ch.33.10m

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	15-09-2021	21-09-2021	7 days	8.742	22500	438	19.47	19.64
2	15-09-2021	21-09-2021	7 days	8.652	22500	442	19.64	
3	15-09-2021	21-09-2021	7 days	8.548	22500	446	19.82	

Remarks : Satisfactory / Not Satisfactory

Note:

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3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

Executive Engineer
Project Division
Yelahanka
BBMP, Bangalore 092

Consultant's Representative

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Test Report on Compressive Strength of Concrete Cubes

TEJUS

Project	Construction of CC Drains and Roads in Devanahalli Village in Ward No.06
Client	Brahat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri. P Hemanth (M/S SHIVA CREATIONS)
Grade of concrete	M30
Size of cube	150x150x150 mm
Reference IS code	IS:516:1959
Sample Location	main road @ ch 76.00m

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg Compressive strength
				Kg	mm²	kN	N/mm²	N/mm²
1	15-09-2021	13-10-2021	28 days	8.080	22500	678	30.13	30.36
2	15-09-2021	13-10-2021	28 days	8.100	22500	680	30.22	
3	15-09-2021	13-10-2021	28 days	8.160	22500	686	30.49	

Remarks : Satisfactory / Not Satisfactory

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3. Any Query regarding the report must be reported reported within 15days from the date of testing.
4. The material used in the site satisfied the standard of M30(RCC) any excess and loose not be used in the work.

Assistant Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore-64

Consultant / Authorised Signatory

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TEJUS

Test Report on Compressive Strength of Concrete Cubes

Project	Construction of CC Drains and Roads in Dasarahalli Village in Ward No.06
Client	Bruhat Bangalore Mahanagar Palike
Consultant	TEJUS CONSULTANTS
Contractor	Sri. P Hemanth (SOORYA CREATERS)
Grade of concrete:	M30
Size of cube:	150x150x150 mm
Reference IS code:	IS:516-1959
Sample Location	main road @ ch.36.00m

Sl.No.	Date of Casting	Date of testing	Age of Test	Weight of Cube	Area of Cube	Failure load	Compressive strength	Avg. Compressive strength
				Kg	mm^2	KN	N/mm^2	N/mm^2
1	15-09-2021	21-09-2021	7 days	8.825	22500	439	19.51	19.51
2	15-09-2021	21-09-2021	7 days	8.865	22500	438	19.47	
3	15-09-2021	21-09-2021	7 days	8.722	22500	440	19.56	

Remarks : Satisfactory / Not Satisfactory

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Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore

Consultant's Representative

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TEJUS
CONSULTANTS

TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Construction of CC Drains and Roads in Dasarahalli Village in Ward No.06
Consultants	Tejus Consultants, Bangalore
Contractor	Sri. P Hemanth (SOORYA CREATERS)

SIEVE ANALYSIS

Total Weight:	3000 gms		
Type of Material	Fine aggregate M sand)	Proposed Use	concrete
Sample Location	2nd cross road	Date of Sampling	17-09-2021
		Date of Testing	18-09-2021

IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing (Zone-II)
10.00 mm	0	0	0	100.00	100
4.75 mm	214	214	7.13	92.87	90 - 100
2.36 mm	306	520	17.33	82.67	75 - 100
1.18 mm	408	928	30.93	69.07	55 - 90
0.600 mm	492	1420	47.33	52.67	35 -59
0.300 mm	762	2182	72.73	27.27	8-30
0.150 mm	634	2816	93.87	6.13	0 - 10
Pan	184	3000			-

Remarks : ✓ Satisfactory / Not Satisfactory

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Executive Engineer
Division
Zone
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TEJUS
CONSULTANTS

TEST REPORT

Clients	BRUHAT BENGALORE MAHANAGARA PALIKE
Project	Construction of CC Drains and Roads in Dasarahalli Village in Ward No.06
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore
Contractor	Sri. P Hemanth (SOORYA CREATERS)

SPECIFIC GRAVITY AND WATER ABSORPTION

FINE AGGREGATE (IS-2386-PART-3)

Type of Material	Fine aggregate (M sand)	**Proposed Use**	concrete
Location/Source	5th cross road.	**Date of Sampling**	17-09-2021
Period of Soaking	24 hours	**Date of Testing**	18-09-2021

Sl. No.	Test Property	TRIAL - 1	TRIAL - 2	TRIAL - 3	
A	Weight of sturated surface dry sample gm.	652	656	654	
B	Weight of oven - dry sample gm.	639	663	645	
C	Weight of Pycnometer Filled with water gm	1275	1275	1275	
D	Weight of Pycnometer + sample + water gm	1682	1698	1686	
E	Bulk specific gravity $\frac{B}{(C+A-D)}$	2.608	2.845	2.654	2.703
G	Absorption (%) $\frac{(A-B)*100}{B}$	2.034	-1.056	1.395	0.791

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4. The material used in the site satisfied the standard of MORTH's 5th revision and hence can be used in the work.

Asst. Executive Engineer
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Authorised Signatory

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TEJUS CONSULTANTS

TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike
Project	Construction of CC Drains and Roads in Dasarahalli Village in Ward No.06
Consultants	Tejus Consultants, Bangalore
Contractor	Sri. P Hemanth (SOORYA CREATERS)

SIEVE ANALYSIS

Total Weight:	3000 gms		
Type of Material	Fine aggregate M sand)	Proposed Use	concrete
Sample Location	5th cross road.	Date of Sampling	17-09-2021
		Date of Testing	18-09-2021

IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing (Zone-II)
10.00 mm	0	0	0	100.00	100
4.75 mm	214	214	7.13	92.87	90 - 100
2.36 mm	306	520	17.33	82.67	75 - 100
1.18 mm	408	928	30.93	69.07	55 - 90
0.600 mm	492	1420	47.33	52.67	35 -59
0.300 mm	762	2182	72.73	27.27	8-30
0.150 mm	634	2816	93.87	6.13	0 - 10
Pan	184	3000			-

Remarks : ✓ Satisfactory / Not Satisfactory

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike				
Project	Construction of CC Drains and Roads in Dasarahalli Village in Ward No.06				
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore				
Contractor	Sri. P Hemanth (SOORYA CREATERS)				
Total Weight:	10000	gms			

SIEVE ANALYSIS

Type of Material	20 mm down size	**Proposed Use**	Concrete
Sample Location	2nd cross road	**Date of Sampling**	17-09-2021
		Date of Testing	18-09-2021

IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
40.00 mm	0	0	0	100	100
20.00 mm	256	256	2.56	97.44	95 - 100
10.00 mm	4842	5098	50.98	49.02	25 - 55
4.75 mm	4236	9334	93.34	6.66	0 - 10
Pan	666	10000			

Remarks : ✓ Satisfactory / Not Satisfactory

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike	
Project	Construction of CC Drains and Roads in Dasarahalli Village in Ward No.06	
Consultants	TEJUS CONSULTANTS Basaveshwar Nagar Bangalore	
Contractor	Sri. P Hemanth (SOORYA CREATERS)	
Total Weight:	10000	gms

SIEVE ANALYSIS

Type of Material	20 mm down size	**Proposed Use**	Concrete
Sample Location	5th cross road	**Date of Sampling**	17-09-2021
		Date of Testing	18-09-2021

IS Sieve Size	Weight Retained	Cum. Weight Retained	Cum. % Retained	Cum. % Passing	Spec. Limit (%) Passing
40.00 mm	0	0	0	100	100
20.00 mm	254	254	2.54	97.46	95 - 100
10.00 mm	4843	5097	50.97	49.03	25 - 55
4.75 mm	4236	9333	93.33	6.67	0 - 10
Pan	667	10000			

Remarks : ✓ Satisfactory / Not Satisfactory

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TEST REPORT

Clients	Bruhat Bangalore Mahanagara Palike				
Project	Construction of CC Drains and Roads inDasarahalli Village in Ward No.06				
Consultants	TEJUS CONSULTANTS				
Contractor	Sri. P Hemanth (SOORYA CREATERS)				
Total Weight:	10000	gms			

SIEVE ANALYSIS

Type of Material	**12.5 mm down size**		**Proposed Use**	CONCRETE	
Sample Location	5th cross road		**Date of Sampling**	17-09-2021	
			Date of Testing	18-09-2021	
IS Sieve Size (in mm)	**Weight Retained**	**Cum. Weight Retained**	**Cum. % Retained**	**Cum. % Passing**	**Spec. Limit (%) Passing**
20.0	0	0	0	100	100
12.5	525	525	5.25	94.75	90-100
10.0	4625	5150	51.50	48.50	40-85
4.75	4532	9682	96.82	3.18	0-10
Pan	318	10000			

Remarks : ✓ Satisfactory / Not Satisfactory

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